



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Blau et al.

**Serial No.:** 10/727,088

**Filed:** December 2, 2003

**For:** MAN-RATED FIRE SUPPRESSION  
SYSTEM

**Confirmation No.:** 6016

**Examiner:** Unknown

**Group Art Unit:** 3752

**Attorney Docket No.:** 2507-6010US  
(22031-US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 18, 2004  
Date

Signature

Leah J. Barrow  
Name (Type/Print)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

<u>U.S. Patent Documents</u>		
<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 1,839,658	01/05/1932	Dugas
US - 2,841,227	07/01/1958	Betzler
US - 3,255,824	06/14/1966	Rodgers
US - 3,641,935	02/15/1972	Gawlick et al.
US - 3,741,585	06/26/1973	Hendrickson et al.
US - 3,806,461	04/23/1974	Hendrickson et al.
US - 3,972,820	08/03/1976	Filter et al.
US - 4,064,944	12/27/1977	McClure et al.
US - 4,224,994	09/30/1980	Tone et al.
US - 4,505,336	03/19/1985	Thevis et al.
US - 4,601,344	07/22/1986	Reed, Jr. et al.
US - 4,807,706	02/28/1989	Lambertsen et al.
US - 4,909,549	03/20/1990	Poole et al.
US - 4,931,111	06/05/1990	Poole et al.
US - 5,035,757	07/30/1991	Poole
US - 5,423,384	06/13/1995	Galbraith et al.
US - 5,425,886	06/20/1995	Smith
US - 5,429,691	07/04/1995	Hinshaw et al.
US - 5,439,537	08/08/1995	Hinshaw et al.
US - 5,441,114	08/15/1995	Spector et al.
US- 5,449,041	09/12/1995	Galbraith
US-5,495,893	03/05/1996	Roberts et al.
US- 5,588,493	12/31/1996	Spector et al.

**Serial No. 10/727,088**

US- 5,609,210	03/11/1997	Galbraith et al.
US- 5,613,562	03/25/1997	Galbraith et al.
US- 5,762,145	06/09/1998	Bennett
US- 5,845,716	12/08/1998	Birk
US- 5,957,210	09/28/1999	Cohrt et al.
US- 5,992,530	11/30/1999	Sundholm
US- 5,996,699	12/07/1999	Sundholm
US- 6,012,533	01/11/2000	Cramer
US- 6,016,874	01/25/2000	Bennett
US- 6,024,889	02/15/2000	Holland et al.
US- 6,039,820	03/21/2000	Hinshaw et al.
US- 6,045,637	04/04/2000	Grzyll
US- 6,086,693	07/11/2000	Mendenhall et al.
US- 6,132,480	10/17/2000	Barnes et al.
US- 6,224,099 B1	05/01/2001	Nielson et al.
US- 6,257,341 B1	08/10/2001	Bennett
US- 6,314,754 B1	11/13/2001	Kotliar
US- 6,334,315 B1	01/01/2002	Kotliar
US- 2002/0020536 A1	02/21/2002	Bennett
US- 6,401,487 B1	06/11/2002	Kotliar
US- 6,418,752 B2	07/16/2002	Kotliar
US- 6,502,421 B2	01/07/2003	Kotliar
US- 6,557,374 B2	05/06/2003	Kotliar
US- 6,560,991 B1	05/13/2003	Kotliar
US- 6,599,380 B1	07/29/2003	Zeuner et al.



Serial No. 10/727,088

Other Documents

"Water Mist-Fire-Suppression Experiment," NASA Glenn Research Center, Dec. 2001, 3 pages.

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

Katherine A. Hamer  
Registration No. 47,628  
Attorney for Applicants  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: March 18, 2004

KAH/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08  
Cited Documents

Document in ProLaw



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/727,088	
			Filing Date	December 2, 2003	
			First Named Inventor	Blau et al.	
			Group Art Unit	3752	
			Examiner Name	Unknown	
Sheet	1	of	3	Attorney Docket Number	2507-6010US (22031-US)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-1,839,658	01/05/1932	Dugas	
		US- 2,841,227	07/01/1958	Betzler	
		US- 3,255,824	06/14/1966	Rodgers	
		US- 3,641,935	02/15/1972	Gawlick et al.	
		US- 3,741,585	06/26/1973	Hendrickson et al.	
		US- 3,806,461	04/23/1974	Hendrickson et al.	
		US- 3,972,820	08/03/1976	Filter et al.	
		US- 4,064,944	12/27/1977	McClure et al.	
		US- 4,224,994	09/30/1980	Tone et al.	
		US- 4,505,336	03/19/1985	Thevis et al.	
		US- 4,601,344	07/22/1986	Reed, Jr. et al.	
		US- 4,807,706	02/28/1989	Lambertsen et al.	
		US- 4,909,549	03/20/1990	Poole et al.	
		US- 4,931,111	06/05/1990	Poole et al.	
		US- 5,035,757	07/30/1991	Poole	
		US- 5,423,384	06/13/1995	Galbraith et al.	
		US- 5,425,886	06/20/1995	Smith	
		US- 5,429,691	07/04/1995	Hinshaw et al.	
		US- 5,439,537	08/08/1995	Hinshaw et al.	
		US- 5,441,114	08/15/1995	Spector et al.	
		US- 5,449,041	09/12/1995	Galbraith	
		US-5,495,893	03/05/1996	Roberts et al.	
		US- 5,588,493	12/31/1996	Spector et al.	
		US- 5,609,210	03/11/1997	Galbraith et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 3

**Complete if Known**

Application Number	10/727,088
Filing Date	December 2, 2003
First Named Inventor	Blau et al.
Group Art Unit	3752
Examiner Name	Unknown
Attorney Docket Number	2507-6010US (22031-US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 5,613,562	03/25/1997	Galbraith et al.	
		US- 5,762,145	06/09/1998	Bennett	
		US- 5,845,716	12/08/1998	Birk	
		US- 5,957,210	09/28/1999	Cohrt et al.	
		US- 5,992,530	11/30/1999	Sundholm	
		US- 5,996,699	12/07/1999	Sundholm	
		US- 6,012,533	01/11/2000	Cramer	
		US- 6,016,874	01/25/2000	Bennett	
		US- 6,024,889	02/15/2000	Holland et al.	
		US- 6,039,820	03/21/2000	Hinshaw et al.	
		US- 6,045,637	04/04/2000	Grzyll	
		US- 6,086,693	07/11/2000	Mendenhall et al.	
		US- 6,132,480	10/17/2000	Barnes et al.	
		US- 6,224,099 B1	05/01/2001	Nielson et al.	
		US- 6,257,341 B1	08/10/2001	Bennett	
		US- 6,314,754 B1	11/13/2001	Kotliar	
		US- 6,334,315 B1	01/01/2002	Kotliar	
		US- 2002/0020536 A1	02/21/2002	Bennett	
		US- 6,401,487 B1	06/11/2002	Kotliar	
		US- 6,418,752 B2	07/16/2002	Kotliar	
		US- 6,502,421 B2	01/07/2003	Kotliar	
		US- 6,557,374 B2	05/06/2003	Kotliar	
		US- 6,560,991 B1	05/13/2003	Kotliar	
		US- 6,599,380 A1	07/29/2003	Zeuner et al.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	3	of	3
-------	---	----	---

**Complete if Known**

Application Number	10/727,088
--------------------	------------

Filing Date	December 2, 2003
-------------	------------------

First Named Inventor	Blau et al.
----------------------	-------------

Group Art Unit	3752
----------------	------

Examiner Name	Unknown
---------------	---------

Attorney Docket Number	2507-6010 IIS (22031-IIS)
------------------------	---------------------------

#### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials \*Cite  
No.<sup>1</sup>

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

 $T^2$ 

"Water Mist-Fire-Suppression Experiment," NASA Glenn Research Center, Dec. 2001, 3 pages.

Examiner  
Signature

Date \_\_\_\_\_

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.**

NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.